



MEMORANDUM

July 19, 2012

To: Board of Fire Commissioners
Truckee Meadows Fire Protection District

Fm: Charles A. Moore, Fire Chief

Re: After Action Report – July 1 Standup

Provided here are After Action Reports for the July 1 transition of fire services. The District provided a command officer at each TMFPD station to inspect and coordinate the hand-off of equipment and facilities. County Fleet and the District's Logistics Technician provided mobile services to respond to immediate problems with rolling stock and facilities.

Most notable were problems associated with vehicles. Some issues were remedied on site, while other issues required repairs at the County shop.

The District has very nearly concluded its inventory of returned firefighting tools, communications equipment and capital assets received from the City of Reno prior to and on July 1, 2012. My preliminary finding is that not all TMFPD equipment and assets have been returned. Staff is working on compiling the documentation and final inventory supported which will be supported by purchase orders. I expect the final inventory to be ready early next week and I will present our report to Chief Hernandez at that time.

All rolling stock has been returned to the District.



Transition Day Facility Assessments

Station 13 Inspection Report.

After completion of a station inspection on 1 July 2012, the following items were found to be deficient at Station #13 located at 1075 Silver Lake Blvd.

Facility

Exterior:

- 1) Window Screens were not present on the apparatus bay area windows
- 2) Station signage has been removed in its entirety
- 3) Building needs to be painted
- 4) Damage to brush bay door trim.
- 5) Asphalt parking area needs to be sealed. Alligator cracking present
- 6) Landscaping has not been maintained.
- 7) Generator has a communication error and is not operating properly.

Interior:

- 1) The door between the apparatus bays and the cleaning room has been damaged at the hinges and does not shut.
- 2) Painting throughout
- 3) Irrigation controller needs to be mounted to the wall
- 4) Multiple areas where formica finishes have been damaged in rooms and kitchen
- 5) Hinges on cabinets in kitchens broken
- 6) Captains bedroom desk is coming off of the wall.
- 7) Clean room dishwasher does not work.
- 8) Carpet is stained and in need of cleaning
- 9) Blinds show age and sun damage
- 10) Recliners stained. One in very bad shape.
- 11) Emergency exit and bug eye lights do not work in the bedroom hallway.

Rolling Stock

All apparatus appeared to be outfitted with the equipment required for fire apparatus. However, there was notable damage to both the Brush and the Engine. Refer to Mechanic Murray's report on damage.

Tools and Equipment

All tools and equipment appeared to be adequate for the station.

Communications

Eight (8) 800mHz handheld radios and eight (8) VHF Bendix king radios were provided on the apparatus.

Kitchen

The kitchen utensils, dishes, pots and pans and other kitchen appliances were found to be very deficient and of poor quality. The only appliances which were located in the station were a coffee pot, blender, microwave and toaster. However, the cast iron cooking pots and pans were left in the station.



TRUCKEE MEADOWS FIRE PROTECTION DISTRICT

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Report on conditions at Truckee Meadows Fire Protection District Station 16

On July 1, 2012 an inspection of Truckee Meadows Fire Protection District Station 16 was completed. The inspection was completed by TMFPD Battalion Chief Michael Heikka and RFD Battalion Chief Tim Spencer.

Results of the inspection.

The station is an old metal building with a modular living quarters added on. The building has had minimal maintenance in the past 10 years. The outside is in need of paint and minor repairs. The flooring in the living area has been replaced and is in good condition. Interior walls are in reasonably good condition. The bathrooms are in working order but could use paint and floor replacement. The cabinets are old and dirty on the inside. All of the fire extinguishers are in need of service. Last service date was 1/21/2009.

The kitchen has had extensive usage and the years of service have taken its toll on the appliances. The stove and oven are dirty and need to be upgraded. The refrigerators need to be cleaned. The kitchen cabinets are dirty and need to be painted. Very minimal supply of pots, pans, dinnerware, cups and glasses are at the station. The kitchen items that are at the station are old and need replacement.

The living area was clean with newer carpet. No TV was found. The recliners chairs show signs of wear, but are still serviceable.

The apparatus bay is cluttered and dirty. It needs to be cleaned and organized. The concrete floors need to be painted and the walls finished. The workbench has a very limited amount of hand tools. The storage cabinets are a mess inside and need to be cleaned.

The landscaping is poor at best. The lawn has had no maintenance and will need replacement. The storage shed for the garden tools and lawnmower is old and rundown. The shed is full of old sacks of seed and chlorine tablets. (Maybe for the water filter system?) Shed needs to be replaced or removed.

The Fire Apparatus consist of a type I engine, type III engine, patrol truck, suburban service vehicle and water tender. All of the apparatus was in service with the exception of the patrol

truck. The patrol truck was parked alongside the building, was dirty and had no water in the water tank. The type I engine had out of adjustment rear brakes and the water tender needed 1 gallon of oil. The TIC and hand flashlights are missing from the type I engine.

The EMS bag had outdated ILS drugs, IV solutions and burn kits. No EMS bag on the type III engine.

Station office has minimal office supplies. The RFD computer was removed and replaced with a county computer. The phone and paging system both work.

Overall the station and apparatus are serviceable. The station needs maintenance and cleaning.

After Action Report for 7/1/2012

Station 17

All fire extinguishers, on rolling stock and in the station need to be serviced.

Facility:

- Interior: The interior of the station was in need of paint. Several screens were missing from windows and locks were broken on the windows in two of the bedrooms. There were two electrical outlets that were wired incorrectly, the exit lighting was not working in the kitchen area, and the fire alarm system had not been serviced since 2006.
- Exterior: The exterior of the facility was good. The fence at the kitchen was broken.

Rolling Stock:

- Engine 17: Missing the 4-gas monitor, minor paint chips and scratches, and a couple of lights not working. Missing some ILS equipment. The engine had 4 800 mhz and 4 Bendix-King, 1 GPS and 1 med radio.
- Brush 17: Minor damage to the cab, small dents, some lights out, missing ILS/BLS full complement of equipment. The brush had 3 800 mhz, 3 BK's and several clamshells
- Tender 17: Air pack not working, actuator gauge not making notification, corrosion from water on piping, second cross lay discharge is leaking and cross lay full of water. Hose should be tested-some weathered. The tender had 1 800 mhz, 1 BK, 1 spare battery, but no charger, no hand light.
- Station truck: Looked good. Needs oil change.
- Trailer: Weathered and not sure if it can be used.

Tools and Equipment:

Tools were acceptable on the vehicles; the axe on the water tender was taken out of service.

Living/kitchen conditions:

The living quarters had some faulty electrical outlets, recliners that needed screws tightened, the TV was missing from the living quarters and the entertainment center missing from the kitchen/dining area. Two bedrooms had handles/locks missing and broken in the bedrooms, and the bedrooms were without TVs. All drawers were dirty on the inside. The bathroom shower on the kitchen side was out of service. The base of the bottom cabinets in the kitchen need to be replaced in several areas and these were noted by Washoe County at their earlier inspection. There were glasses, bowls, plates that were in good condition and

some cast-iron cookware left in the kitchen. The forks/knives/spoons were in good condition, but the steak knives and most of the cooking utensils were in very poor condition. The toaster was badly broken and it was suggested they not use it. There was a hole in the desk mat. The kitchen and living areas need paint. The dishwasher, refrigerator, sink and stove all work. All drawers/cabinets were dirty. The floors and carpet were in good shape, but with many stains on the carpets. The supplies of toilet paper, paper towels, office paper, toilet cleaner, etc. miscellaneous household items were few or not present.

Station 18 Walk Through

Exterior

- Generator out of service batteries need to be replaced repaired on site by Jon Murray.
- Water leak for check valve on irrigation system.
- Doors to exterior storage area and trash broken off hinges
- Old trash and fire hose needs to be disposed of stack in outside storage area.
- Minor bending to multiple window screens.
- Minor paint wear to exterior trim

Kitchen

- Ice dispensers on two of the refrigerators not working.
- Center burner on stove not working.
- One of the dish sanitizers working intermittently.
- Dinner plates very worn
- Coffee pot missing water diffuser.
- 2 Cast iron skillets removed from station confusion on if districts or not.
- 1 cast iron Dutch oven removed from station confusion on if districts or not.
- All cabinets and drawers left dirty.

Hallway Carpet

- Water stains on carpet from leak in janitor closet. Water basin cracked as well.
- Small stains in bedroom hallway as well.

Station Cabinets

- All interior storage cabinets left dusty.

Bathrooms

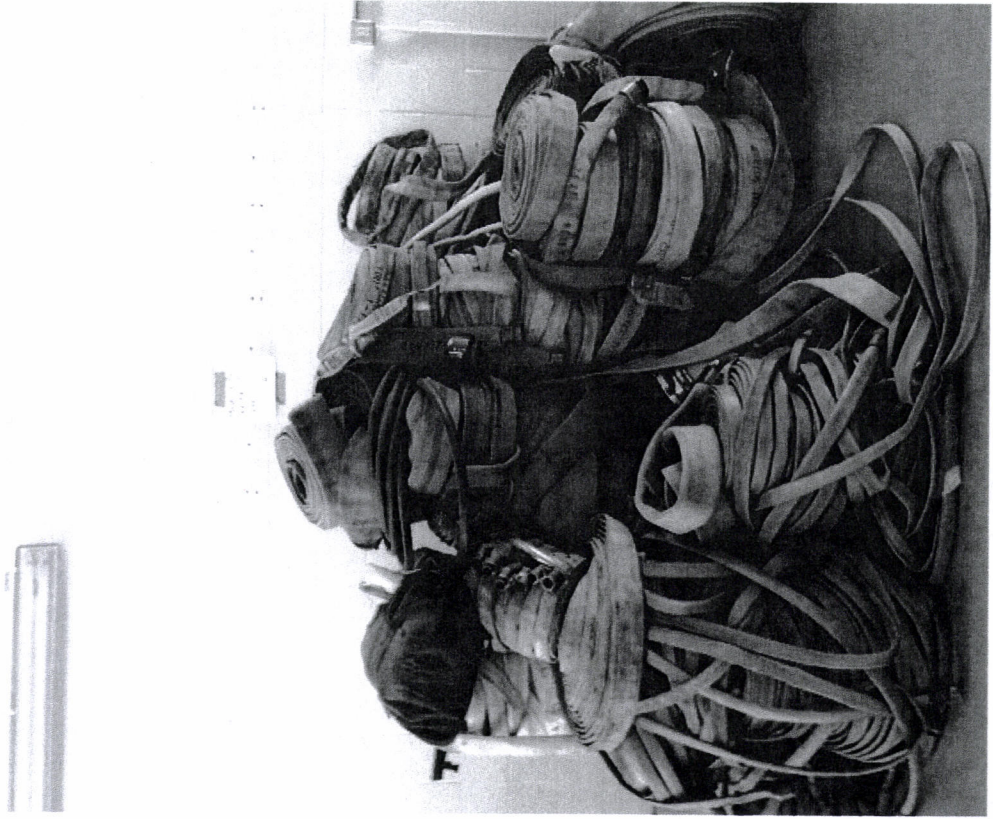
- All showers had soap scum stains and hard water stains in showers
- Toilet in entry way bathroom not flushing properly needs internal part adjustment.

Walls

- Minor holes in walls from removal of some type of signage hanging from wall in workout room.
- Drywall removed from front entryway due to swinging door constantly scrapping it as it opens and closes needs to be adjusted.

Hose Storage

- Piles of old hose just sitting in outside storage area bleaching from sun needs to be disposed.
- Pallets of hose that needs to be inspect and disposed of or repaired sitting in apparatus bay.



General Station cleanliness

- Station needs to be cleaned thoroughly.

E-18

- Fire Extinguisher need to be serviced out of date.
- ILS Medical bags had expired equipment.
- Per Mechanic multiple problems
- Oil Leak
- Pump Leaking
- Foam out of service
- PRV not accurate
- Tears in seat
- Seat actually loose
- Radio charger broken
- Chain saw extremely dirty and needs new chain
- Equipment and ladders dirty
- 3 personnel handlights missing.
- No TIC
- Fire Extinguishers need serviced
- Mechanic recommended taking to County shop for service ASAP. Request additional list from Jon Murray.

B-18

- Oil leak
- Water leak from crosslay valve and bumper line
- Fire extinguishers need serviced

T-18 (118)

- Lights for water level and PTO out of service
- Oil and coolant leak
- Fire extinguishers need serviced

Service 18

- Brake lights not working
- Tail gate latch missing

Moore, Charles A

From: Kammann, Joseph R
Sent: Tuesday, July 03, 2012 7:49 PM
To: Moore, Charles A
Cc: Leighton, Timothy M
Subject: EMS situation

Chief, per your request, my summary of the EMS supplies should be broken down into two key points.

First, after speaking with RFD employees, it seems apparent that in the TMFPD stations, the Engine and Brush are both licensed to the Intermediate Life Support level. When we assumed control over the stations, the ILS supplies on the Brush Engines were moved over to the Type 1 Engines, and the Type 1 equipment had been removed prior to our arrival. The ILS supplies on the Type 1 Engines were found to be lacking complete sets of up-to-date medications, cardiac monitor pads, and airway equipment. The condition of the supplies was fair to poor, as it appeared they were not adequately inspected or used often. The Brush Engines had BLS level supplies only, including AED's. I will follow up with State EMS officials to confirm the licensure of the Brush Engines, since a licensed ILS rig that is not in compliance is grounds for license termination. We would then have to purchase the adequate amount of supplies to maintain ILS compliance. I was able to complete a "response ready" state for the ILS Engine and BLS Brush by utilizing SFPD equipment. Most Engines did not require a large amount of supplies to establish "minimum" levels of equipment.

The second issue is the cost associated with providing the SFPD standard of care and equipment. What I mean by this is that prior to deconsolidation, we stocked our engines with specific equipment that exceeds the "minimum" state required standards, but is the standard of practice for most EMS providers in the area. As an example, we utilize IO drills for immediate vascular access in critical patients, not the old, limited use IO needles that are currently stocked on the TM equipment. It is my understanding that these pieces of equipment were removed from TM apparatus prior to our changeover. Airway supplies and medications should also be upgraded to current levels as well. The significant cost of new cardiac monitors/defibrillators is not an issue due to the grant purchased monitors that we now have in our possession.

I do not have a dollar amount attached to the above supplies, but I hope that this helps with the After Action Review you are planning to the Commissioners. As always, feel free to contact me with any questions.

Joe Kammann
Captain, TMFPD
775-240-5863



Transition Day Rolling Stock Assessments

Chief Moore,

These are the vehicles we inspected that had glaring issues on them. I am sure that as we cycle all the units through the shop for preventative maintenance, other issues will be found. For instance, Captain Wayne Cerione brought the hydrant repair truck to the yard, complaining about how badly it was running. Well, we checked it out and found it was 9 quarts low on engine oil. We have already fixed this unit, but you see where I'm going with this. My estimates are based on our past repair history on similar vehicles. I'm usually pretty close, but it could go up or down from the baseline numbers..

When things settle down, I would appreciate some of your time to nail down some procedures and protocols myself and my guys need to know, i.e. radio use. We look forward to a long and beneficial relationship with you and the District.

Tommy

Sunday, July 1, 2012 Inspection Results and Repair Estimates

ENGINE 18 (FD181)	Right front tire has cords showing. Needs 2 new steer tires.	\$1,000.00
	Foam-pro controller damaged, foam system inoperable	\$3,500.00+
	Engine oil leaks @ filter, air compressor mount, valve cover and intake box	\$ 500.00+
	Driver's seat-upholstery torn and seat base loose	\$ 750.00
	Water pump packing leaks	\$ 200.00
TENDER 18 (FD170)	Turn/flashers inoperative	\$ 100.00
	Engine air compressor oil leaks	\$ 100.00
	Tank level gage inoperable	\$1,500.00+
PATROL 18 (FD247)	Check engine light on (need to plug in/diagnose)	\$ 100.00+
	Rear brakes need replaced	\$ 100.00
BRUSH 17 (FD16)	Power steering hose leaking	\$ 100.00
	Differential check plug rounded-replace	\$ 20.00
TENDER 17 (FD46)	Water leaks @ right rear bracket, main drain valve and at #2 crosslay valve	\$ 500.00+
	Zincs/Anodes need to be replaced (3)	\$1,000.00
BRUSH 16 (FD43)	L/S telescoping light out	\$ 100.00+
	compartment doors left side/right rear are sprung	\$ 250.00
ENGINE 15 (FD45)	Engine accessory drive @ P/S pump leaking	\$2,500.00+
BRUSH 15 (FD215)	Engine oil leaks @ oil pan gasket, filter base, turbo oil return line	\$1,800.00+
	Power steering pump leaks @ mount and hoses	\$ 500.00
RESCUE 14 (FD178)	Air compressor governor needs replaced	\$ 100.00
	Generator has a fault light on (need to diagnose)	\$ 100.00+
BRUSH 14 (FD14)	Steer tires badly cupped/ripped	\$1,000.00
	2 dead batteries (already replaced)	\$ 300.00
ENGINE 14 (FD35)	Overheating constantly. This problem has already been repaired at the shop.	\$1,000.00+
ENGINE 13 (FD13)	Steer tires showing cords. Need 2 new	\$1,000.00+
	Motor oil leak around rear main seal. If the rear main seal is bad and needs replaced....	\$3,000.00+
	Transmission oil leak @ PTO mount	\$ 500.00
BRUSH 13 (FD15)	Pressure relief valve leaking water, water pump leak	\$ 250.00

Chief Moore,

The most glaring conclusion I can make as to the results of our inspections of the career TMFPD fleet that we conducted on Sunday, July 1 2012 was the lack of attention paid to basic maintenance. We found brakes on Engines and Brush trucks that were so out of adjustment; they would have been red-tagged at any D.O.T. /N.H.P. check station. The lack of chassis grease on drivelines, steering components, and brake assemblies tells me that these vehicles were not serviced recently or regularly. I have detailed lists of vehicle conditions and the defects we found.

At Station 16 on Eastlake Blvd., the Brush engine was 4 quarts low on motor oil. The Tender was also low 4 quarts of motor oil. The 2 patrol vehicles were each 2 quarts low on motor oil. The Engine had a steady anti-freeze leak coming off the rear of the motor, and was down about 6 quarts of coolant. Aren't the operators responsible for checking and correcting these small problems before they get larger?

At Station 13 in Stead, the Engine (FD13) has a bad motor oil leak in the rear main seal area. It also has a transmission oil leak where the P.T.O. mounts up. The amount of oil and dirt clinging to the oil along the frame rails and undercarriage tells us it's been leaking for quite some time. Finally, the steer tires need to be changed immediately. The tire cords are showing on the outer shoulder.

At Station 14 in Double Diamond, Brush 14 wouldn't start when my mechanic began his inspection. He found 1 dead battery, and the other battery at 50 % strength. Of course this was the first item that he repaired that morning. He checked for short-circuits or something left on. Nothing was found to drain a battery overnight.

At Station 18 in Cold Springs, Engine 18 (FD181) also has cords showing on the right front steer tire. That means we need to change both front tires soon as possible. This truck also has numerous motor oil leaks that need to be addressed.

By Thursday morning, I should have the 3 reserve engines up and ready for service. My recommendation would be to bring in E-13 and E-18 for repairs. At the very least, we need to get those front tires replaced. We could have the trucks go to the tire shop, or the tire shop go to the stations. We have options. We will be in Wednesday getting those reserves ready.